



PTO/SB/21 (07-06)

Approved for use through 09/30/2006. OMB 0651-0031  
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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

17

Application Number 10/828,997

Filing Date April 20, 2004

First Named Inventor David W. Caldwell

Art Unit 3729

Examiner Name Carl J. Arbes

Attorney Docket Number 37041-11481

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Postcard
<input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<b>Remarks</b>	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Jenner & Block LLP		
Signature			
Printed name	Mark P. Vrla		
Date	September 8, 2006	Reg. No.	43, 973

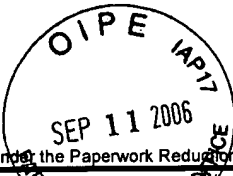
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Denise L. Maragos	Date	September 8, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (07-06)

Approved for use through 01/31/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 650.00**Complete if Known**

Application Number	10/828,997
Filing Date	April 20, 2004
First Named Inventor	David W. Caldwell
Examiner Name	Carl J. Arbes
Art Unit	3729
Attorney Docket No.	37041-11481

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 10-0460 Deposit Account Name: Jenner & Block LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	25	Extra Claims	Fee (\$)	Fee Paid (\$)
38	- 20 or HP =	13	x 50	= \$650

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	4	Extra Claims	Fee (\$)	Fee Paid (\$)
4	- 3 or HP =	0	x 0	= 0

HP = highest number of independent claims paid for, if greater than 3.

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

**Multiple Dependent Claims**

Fee (\$)	Fee Paid (\$)
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**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

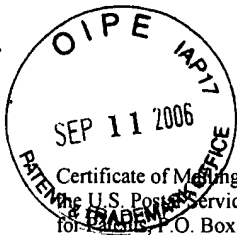
Other (e.g., late filing surcharge): \_\_\_\_\_

**Fees Paid (\$)****SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 43,973	Telephone (312) 222-9350
Name (Print/Type)	Mark P. Vrla		Date September 8, 2006

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Attorney Docket No.  
37041-11481

Denise L. Maragos  
(Type Name of Person Mailing Correspondence)  
*Denise L. Maragos* September 8, 2006  
Signature Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: David W. Caldwell, et al. )  
)  
Title: Substrate with Multiple Conductive )  
Layers and Methods for Making )  
and Using Same )  
)  
Serial No: 10/828,997 )  
)  
Filed: April 20, 2004 )  
)  
Group Art Unit: 3729 )  
)  
Examiner: Carl J. Arbes )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT A**

Sir:

This paper is responsive to the Office Action mailed on June 8, 2006, having a shortened statutory period for reply that expires on September 8, 2006.

09/12/2006 CNEG1 00000046 100460 10020997  
01 FC:1202 650.00 DA